

Rapport d'essai

Certificate of analysis



Identification rapport d'essai

Report identification

Numéro : 2022_6.6394.1

Number

Date de validation : 13/09/2022 19:13

Validation date

Date d'édition : 13/09/2022 19:24

Edition date

Demander : TURCAN Alain
Customer
020410(LAB) LE PLAN
84120 BEAUMONT DE PERTUIS

TURCAN Alain
LE PLAN
84120 BEAUMONT DE PERTUIS

Payeur : TURCAN ALAIN
Payer
229380(AUT) 229380
84120 BEAUMONT DE PERTUIS

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Echantillon : 2022_6.6394.1

Identification (1) : Pomme de terre - P de T Pertuis TURCAN

Date de réception : 07/09/2022
Received date

Quantité reçue : 1530 g
Received quantity

Date de début d'analyse : 07/09/2022
Beginning of analysis

(1) Information communiquée par le demandeur
(1) Information communicated by the customer

Prestation :

Analytical service

Dithiocarbamates, méthode LCMSMS

Pack usage plus (PROTOCOLE_SAP1842 V9)

Aucun des paramètres recherchés n'a été détecté.

None of the required compound has been detected.

Paramètres recherchés et inférieurs à la limite de détection :

Required and not detected compounds :

Divers (Others)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method
*Dimethyl dithiocarbamates (expressed as CS2)	0.006	mg CS2/kg	MI MOPC81	*Ethylene-bis-dithiocarbamates (expressed as CS2)	0.002	mg CS2/kg	MI MOPC81	*Propylene-bis-dithiocarbamates (expressed as CS2)	0.002	mg CS2/kg	MI MOPC81

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method
2,4-D (+salts)@	0.01	mg/kg	MI MOPC77	2,4-DB (+salts)@	0.01	mg/kg	MI MOPC77	Avermectin B1a	0.01	mg/kg	MI MOPC77
Avermectin B1b expr. as avermectin B1a	0.01	mg/kg	MI MOPC77	Avermectin B1a (8,9,z) expr. as avermectin B1a	0.01	mg/kg	MI MOPC77	Acéphate	0.01	mg/kg	MI MOPC77
Acéquinocyl	0.01	mg/kg	MI MOPC77	Acétamiprid	0.01	mg/kg	MI MOPC77	Acétochlor	0.01	mg/kg	MI MOPC77
Acibenzolar-S-méthyl@	0.01	mg/kg	MI MOPC77	Aclonifen	0.01	mg/kg	MI MOPC77	Acrinathrin	0.01	mg/kg	MI MOPC77
Alachlor	0.01	mg/kg	MI MOPC77	Aldicarb	0.01	mg/kg	MI MOPC77	Aldicarb-metabolite (-sulfone expr. as aldicarb)	0.005	mg/kg	MI MOPC77
Aldicarb-metabolite (-sulfonate expr. as aldicarb)	0.005	mg/kg	MI MOPC77	*Ametoctradin	0.01	mg/kg	MI MOPC77	Amidosulfuron	0.01	mg/kg	MI MOPC77
Amisulbrom	0.01	mg/kg	MI MOPC77	Amitraz-metabolite (2,4-diméthylformamidine (DMF) expr. as amitraz)@	0.01	mg/kg	MI MOPC77	Amitraz-metabolite (N-2,4-diméthylphényl-N-méthyl ylformamidine (DMPF) expr. as amitraz)@	0.01	mg/kg	MI MOPC77
*Anthraquinone	0.01	mg/kg	MI MOPC77	Asulam	0.01	mg/kg	MI MOPC77	*Atrazine	0.01	mg/kg	MI MOPC77
Atrazine-deséthyl	0.01	mg/kg	MI MOPC77	Atrazine-desisopropyl	0.01	mg/kg	MI MOPC77	Azadirachtin	0.01	mg/kg	MI MOPC77
Azimsulfuron	0.01	mg/kg	MI MOPC77	Azinphos-méthyl	0.01	mg/kg	MI MOPC77	*Azoxytrobine	0.01	mg/kg	MI MOPC77
*Beflubutamide	0.01	mg/kg	MI MOPC77	Benalaxyl (incl. benalaxyl-M - sum of isomers)	0.01	mg/kg	MI MOPC77	Bendiocarb	0.01	mg/kg	MI MOPC77
*Benfluralin	0.01	mg/kg	MI MOPC77	Benoxacor	0.01	mg/kg	MI MOPC77	Bensulfuron-méthyl	0.01	mg/kg	MI MOPC77
Bentazone (+salts)@	0.01	mg/kg	MI MOPC77	Bentazone-metabolite (free 6-hydroxy bentazone expr. as bentazone)@	0.01	mg/kg	MI MOPC77	Bentazone-metabolite (free 8-hydroxy bentazone expr. as bentazone)@	0.01	mg/kg	MI MOPC77
*Benthiavalicarb-isopropyl@	0.01	mg/kg	MI MOPC77	*Benzovindiflupyr	0.01	mg/kg	MI MOPC77	6-Benzyladenine	0.01	mg/kg	MI MOPC77

Laboratoire habilité par l'INAO.

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method
Bifenazate@	0.01	mg/kg	MI MOPC77	Bifenox	0.01	mg/kg	MI MOPC77	*Bifenthrin	0.01	mg/kg	MI MOPC77
Bispyribac@	0.01	mg/kg	MI MOPC77	Bitertanol	0.01	mg/kg	MI MOPC77	Bixafen	0.01	mg/kg	MI MOPC77
*Boscalid	0.01	mg/kg	MI MOPC77	Brodifacoum	0.01	mg/kg	MI MOPC77	Bromadiolone	0.01	mg/kg	MI MOPC77
*Bromopropylate	0.01	mg/kg	MI MOPC77	Bromoxynil (+salts)	0.01	mg/kg	MI MOPC77	Bromuconazole	0.01	mg/kg	MI MOPC77
Bupirimate	0.01	mg/kg	MI MOPC77	Buprofezin	0.01	mg/kg	MI MOPC77	Butralin	0.01	mg/kg	MI MOPC77
Cadusafos	0.01	mg/kg	MI MOPC77	Captan + tetrahydroptalimide expr. as captan	0.05	mg/kg	MI MOPC77	*Carbaryl	0.01	mg/kg	MI MOPC77
*Carbendazim (incl. benomyl)	0.01	mg/kg	MI MOPC77	Carbetamide	0.01	mg/kg	MI MOPC77	Carbofuran	0.0005	mg/kg	MI MOPC77
Carbofuran-metabolite (3-hydroxy-carbofuran expr. as carbofuran)	0.0005	mg/kg	MI MOPC77	Benfuracarb (expr. as carbofuran)	0.01	mg/kg	MI MOPC77	Carbosulfan (expr. as carbofuran)	0.01	mg/kg	MI MOPC77
Furathiocarb (expr. as carbofuran)	0.01	mg/kg	MI MOPC77	Carboxin	0.01	mg/kg	MI MOPC77	Carboxin-metabolite (Carboxin-sulfoxide expr. as carboxin)	0.01	mg/kg	MI MOPC77
Carboxin-metabolite (Carboxin-sulfone (Oxycarboxin) expr. as carboxin)	0.01	mg/kg	MI MOPC77	Carfentrazone-ethyl	0.01	mg/kg	MI MOPC77	Carfentrazone (expr. as carfentrazone-ethyl)	0.01	mg/kg	MI MOPC77
Chlorantraniliprole (rynaxypyr)	0.01	mg/kg	MI MOPC77	*Chlordane-cis	0.005	mg/kg	MI MOPC77	*Chlordane-trans	0.005	mg/kg	MI MOPC77
Chlordane-oxy	0.01	mg/kg	MI MOPC77	Chlorfenapyr	0.01	mg/kg	MI MOPC77	*Chlorfenvinphos	0.01	mg/kg	MI MOPC77
Chloridazon	0.01	mg/kg	MI MOPC77	Chloridazon-metabolite (-desphenyl expr. as chloridazon)	0.04	mg/kg	MI MOPC77	Chlorothalonil	0.01	mg/kg	MI MOPC77
*Chlorotoluron	0.01	mg/kg	MI MOPC77	*Chlorpropham (CIPC)	0.01	mg/kg	MI MOPC77	*Chlorpyrifos(-ethyl)	0.01	mg/kg	MI MOPC77
*Chlorpyrifos-methyl	0.01	mg/kg	MI MOPC77	Chlorpyrifos-methyl metabolite (-desmethyl expr. as chlorpyrifos-methyl)	0.01	mg/kg	MI MOPC77	Chlorsulfuron	0.01	mg/kg	MI MOPC77
*Chlorthal-dimethyl	0.01	mg/kg	MI MOPC77	Chromafenozide	0.01	mg/kg	MI MOPC77	Clethodim (expr. as sethoxydim)	0.01	mg/kg	MI MOPC77
Clethodim-metabolite (-sulfone expr. as sethoxydim)	0.01	mg/kg	MI MOPC77	Clethodim-metabolite (-sulfoxide expr. as sethoxydim)	0.01	mg/kg	MI MOPC77	Sethoxydim	0.01	mg/kg	MI MOPC77
Clodinafop (incl. S-clodinafop + salts)	0.01	mg/kg	MI MOPC77	Clodinafop-propargyl	0.01	mg/kg	MI MOPC77	Clofentezine	0.01	mg/kg	MI MOPC77
Clomazone	0.01	mg/kg	MI MOPC77	Clopyralid	0.02	mg/kg	MI MOPC77	Cloquintocet-mexyl	0.01	mg/kg	MI MOPC77
Cloquintocet	0.01	mg/kg	MI MOPC77	Clothianidin	0.01	mg/kg	MI MOPC77	*Coumaphos	0.01	mg/kg	MI MOPC77
Coumatetralyl	0.01	mg/kg	MI MOPC77	Cyantraniliprole	0.01	mg/kg	MI MOPC77	Cyazofamid	0.01	mg/kg	MI MOPC77
Cycloxydim@	0.01	mg/kg	MI MOPC77	Cyflufenamid (sum of E & Z isomers expr. as cyflufenamid)	0.01	mg/kg	MI MOPC77	Cyflumetofen	0.01	mg/kg	MI MOPC77
Cyfluthrin (incl. cyfluthrin-beta - sum of isomers)	0.01	mg/kg	MI MOPC77	Cyhalofop-butyl	0.01	mg/kg	MI MOPC77	Cyhalofop	0.01	mg/kg	MI MOPC77
Cyhalothrin-lambda (incl. -gamma - sum of isomers)	0.01	mg/kg	MI MOPC77	Cymiazole	0.01	mg/kg	MI MOPC77	Cymoxanil	0.01	mg/kg	MI MOPC77
Cypermethrin (incl. alphamethrin - sum of isomers)	0.01	mg/kg	MI MOPC77	*Cyproconazole	0.01	mg/kg	MI MOPC77	*Cyprodinil	0.01	mg/kg	MI MOPC77
Cyprosulfamide	0.01	mg/kg	MI MOPC77	Cyromazine	0.01	mg/kg	MI MOPC77	Dazomet@	0.01	mg/kg	MI MOPC77
DDT (sum of isomers DDT op' + DDT pp' + DDD pp' + DDE pp')	0.05	mg/kg	MI MOPC77	Deltamethrin	0.01	mg/kg	MI MOPC77	Oxydemeton-methyl (demeton-S-methyl-sulfoxide = ODM)	0.005	mg/kg	MI MOPC77
Oxydemeton-methyl metabolite (demeton-S-methyl-sulfone expr. as ODM)	0.005	mg/kg	MI MOPC77	Desmedipham	0.01	mg/kg	MI MOPC77	Diazinon	0.01	mg/kg	MI MOPC77
Dicamba	0.01	mg/kg	MI MOPC77	Dichlobenil	0.01	mg/kg	MI MOPC77	Dichlofuanid	0.01	mg/kg	MI MOPC77
3,5-Dichloroaniline	0.01	mg/kg	MI MOPC77	Dichlorprop (incl. dichlorprop-p-salts) (Z,4-DP)@	0.01	mg/kg	MI MOPC77	Dichlorvos	0.01	mg/kg	MI MOPC77
Diclofop (expr. as diclofop-methyl)	0.01	mg/kg	MI MOPC77	Diclofop-methyl	0.01	mg/kg	MI MOPC77	Dicloran	0.01	mg/kg	MI MOPC77
Dicofol	0.01	mg/kg	MI MOPC77	Aldrin (expr. as dieldrin)	0.005	mg/kg	MI MOPC77	Dieldrin	0.005	mg/kg	MI MOPC77
*Diethofencarb	0.01	mg/kg	MI MOPC77	Diethyl toluamide (DEET)	0.01	mg/kg	MI MOPC77	Difenacoum	0.01	mg/kg	MI MOPC77
*Difenoconazole	0.01	mg/kg	MI MOPC77	Difethialone	0.01	mg/kg	MI MOPC77	Diflubenzuron	0.01	mg/kg	MI MOPC77
Diflufenican (diflufenicanil)	0.01	mg/kg	MI MOPC77	Dimethachlor	0.01	mg/kg	MI MOPC77	*Dimethenamid (incl. dimethenamid-P)	0.01	mg/kg	MI MOPC77
Dimethoate	0.01	mg/kg	MI MOPC77	*Dimethomorph	0.01	mg/kg	MI MOPC77	1,4-dimethylnaphthalene	0.01	mg/kg	MI MOPC77
Dimoxystrobin	0.01	mg/kg	MI MOPC77	Diniconazole	0.01	mg/kg	MI MOPC77	Dinocap@	0.01	mg/kg	MI MOPC77
Dinocap-meptyl@	0.01	mg/kg	MI MOPC77	Dinotefuran	0.01	mg/kg	MI MOPC77	Diphenylamine	0.01	mg/kg	MI MOPC77

Laboratoire habilité par l'INAO.

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method
*Diuron	0.01	mg/kg	MI MOPC77	Dodémorph	0.01	mg/kg	MI MOPC77	Dodine	0.01	mg/kg	MI MOPC77
Emamectin B1a	0.01	mg/kg	MI MOPC77	Endosulfan-alpha	0.01	mg/kg	MI MOPC77	Endosulfan-beta	0.01	mg/kg	MI MOPC77
Endosulfan-sulfate (expr. as endosulfan)	0.01	mg/kg	MI MOPC77	Endrin	0.005	mg/kg	MI MOPC77	*Epoiconazole	0.01	mg/kg	MI MOPC77
Ethametsulfuron	0.01	mg/kg	MI MOPC77	*Ethion (Diethion)	0.01	mg/kg	MI MOPC77	Ethirimol	0.01	mg/kg	MI MOPC77
Ethofumesate@	0.01	mg/kg	MI MOPC77	Ethofumesate-metabolite (Ethofumesate-2-keto expr. as ethofumesate)@	0.01	mg/kg	MI MOPC77	Ethofumesate-metabolite (Ethofumesate-open-ring-2-keto expr. as ethofumesate)@	0.01	mg/kg	MI MOPC77
*Ethoprophos	0.01	mg/kg	MI MOPC77	Ethoxysulfuron	0.01	mg/kg	MI MOPC77	*Etofenprox	0.01	mg/kg	MI MOPC77
Etoazole	0.01	mg/kg	MI MOPC77	Etridiazole	0.01	mg/kg	MI MOPC77	*Famoxadone	0.01	mg/kg	MI MOPC77
Fenamidone	0.01	mg/kg	MI MOPC77	Fenamiphos	0.01	mg/kg	MI MOPC77	Fenamiphos-metabolite (sulfone expr. as fenamiphos)	0.005	mg/kg	MI MOPC77
Fenamiphos-metabolite (sulfoxide expr. as fenamiphos)	0.005	mg/kg	MI MOPC77	Fenarimol	0.01	mg/kg	MI MOPC77	*Fenazaquin	0.01	mg/kg	MI MOPC77
*Fenbuconazole (sum of enantiomers)	0.01	mg/kg	MI MOPC77	Fenchlorazole-ethyl	0.01	mg/kg	MI MOPC77	Fenhexamid	0.01	mg/kg	MI MOPC77
Fenitrothion	0.01	mg/kg	MI MOPC77	Fenoxaprop-P	0.01	mg/kg	MI MOPC77	Fenoxaprop-P-ethyl	0.01	mg/kg	MI MOPC77
*Fenoxycarb	0.01	mg/kg	MI MOPC77	Fenpicoxamid	0.01	mg/kg	MI MOPC77	*Fenpropathrin	0.01	mg/kg	MI MOPC77
Fenpropidin (+ salts)	0.01	mg/kg	MI MOPC77	Fenpropimorph	0.01	mg/kg	MI MOPC77	Fenpyrazamine	0.01	mg/kg	MI MOPC77
*Fenpyroximate	0.01	mg/kg	MI MOPC77	Fenthion	0.002	mg/kg	MI MOPC77	Fenthion-metabolite (-oxon expr. as fenthion)	0.002	mg/kg	MI MOPC77
Fenthion-metabolite (-oxon-sulfoxide expr. as fenthion)	0.002	mg/kg	MI MOPC77	Fenthion-metabolite (-oxon-sulfoxide expr. as fenthion)	0.002	mg/kg	MI MOPC77	Fenthion-metabolite (-sulfone expr. as fenthion)	0.002	mg/kg	MI MOPC77
Fenthion-metabolite (-sulfoxide expr. as fenthion)	0.002	mg/kg	MI MOPC77	Fenvalerate / Esfenvalerate	0.01	mg/kg	MI MOPC77	Fipronil	0.005	mg/kg	MI MOPC77
Fipronil-metabolite (-sulfone expr. as fipronil)	0.005	mg/kg	MI MOPC77	Flazasulfuron	0.01	mg/kg	MI MOPC77	Flocoumafen	0.01	mg/kg	MI MOPC77
*Fonicamid	0.01	mg/kg	MI MOPC77	Flonicamid-metabolite (TFNA expr. as flonicamid)	0.01	mg/kg	MI MOPC77	Flonicamid-metabolite (TFNG expr. as flonicamid)	0.01	mg/kg	MI MOPC77
Florasulam	0.01	mg/kg	MI MOPC77	Florpyrauxifen-benzyl	0.01	mg/kg	MI MOPC77	Fluazifop-P (+isomers of fluazifop)@	0.005	mg/kg	MI MOPC77
Fluazifop-P-butyl (expr. as fluazifop)	0.005	mg/kg	MI MOPC77	Fluazinam	0.01	mg/kg	MI MOPC77	Flubendiamide	0.01	mg/kg	MI MOPC77
*Fludioxonil	0.01	mg/kg	MI MOPC77	Flufenoxuron	0.01	mg/kg	MI MOPC77	Flumetralin	0.01	mg/kg	MI MOPC77
Flumioxazine	0.01	mg/kg	MI MOPC77	*Flufenacet (Fluthiamide)@	0.01	mg/kg	MI MOPC77	*Fluometuron	0.01	mg/kg	MI MOPC77
*Fluopicolide	0.01	mg/kg	MI MOPC77	*Fluopyram	0.01	mg/kg	MI MOPC77	Fluoxastrobin	0.01	mg/kg	MI MOPC77
Flupyradifurone	0.01	mg/kg	MI MOPC77	Flupyrsulfuron-methyl	0.01	mg/kg	MI MOPC77	Fluquinconazole	0.01	mg/kg	MI MOPC77
Flurochloridone	0.01	mg/kg	MI MOPC77	Fluroxypyr (+salts)@	0.005	mg/kg	MI MOPC77	Fluroxypyr-meptyl (expr. as fluroxypyr)@	0.005	mg/kg	MI MOPC77
*Flurtamone	0.01	mg/kg	MI MOPC77	*Flusilazole	0.01	mg/kg	MI MOPC77	Flutianil	0.01	mg/kg	MI MOPC77
Flutolanil	0.01	mg/kg	MI MOPC77	*Flutriafol	0.01	mg/kg	MI MOPC77	Fluvalinate-tau	0.01	mg/kg	MI MOPC77
*Fluxapyroxad	0.01	mg/kg	MI MOPC77	Folpet + phthalimide expr. as folpet	0.03	mg/kg	MI MOPC77	Foramsulfuron	0.01	mg/kg	MI MOPC77
Forchlorfenuron	0.01	mg/kg	MI MOPC77	Formethanate (+salts)	0.01	mg/kg	MI MOPC77	Fosthiazate	0.01	mg/kg	MI MOPC77
Fuberidazole	0.01	mg/kg	MI MOPC77	Gibberellic acid	0.10	mg/kg	MI MOPC77	Halauxifen-methyl	0.01	mg/kg	MI MOPC77
Halauxifen-methyl-metabolite (Halauxifen expr. as halauxifen-methyl)	0.01	mg/kg	MI MOPC77	Halosulfuron-methyl	0.01	mg/kg	MI MOPC77	Haloxypol (+salts)@	0.003	mg/kg	MI MOPC77
Haloxypol-methyl (expr. as haloxypol)@	0.003	mg/kg	MI MOPC77	Haloxypol-2-ethoxyethyl (expr. as haloxypol)@	0.003	mg/kg	MI MOPC77	HCH-alpha	0.01	mg/kg	MI MOPC77
HCH-beta	0.01	mg/kg	MI MOPC77	HCH-delta	0.01	mg/kg	MI MOPC77	*HCH-gamma (Lindane)	0.01	mg/kg	MI MOPC77
*Heptachlor	0.01	mg/kg	MI MOPC77	*Heptachlor-epoxyde-cis (expr. as heptachlor)	0.01	mg/kg	MI MOPC77	*Heptachlor-epoxyde-trans (expr. as heptachlor)	0.01	mg/kg	MI MOPC77
Hexachlorobenzene (HCB)	0.01	mg/kg	MI MOPC77	Hexaconazole	0.01	mg/kg	MI MOPC77	*Hexythiazox (any ratio of constituent isomers)	0.01	mg/kg	MI MOPC77
Imazalil	0.01	mg/kg	MI MOPC77	Imazamox (+salts)	0.01	mg/kg	MI MOPC77	Imazapyr	0.01	mg/kg	MI MOPC77
Imazaquin	0.01	mg/kg	MI MOPC77	Imazosulfuron	0.01	mg/kg	MI MOPC77	Imidacloprid	0.01	mg/kg	MI MOPC77
Indolylbutyric acid	0.01	mg/kg	MI MOPC77	Indoxacarb (S & R)	0.01	mg/kg	MI MOPC77	Iodosulfuron-methyl (+salts)	0.01	mg/kg	MI MOPC77
Ioxynil (+salts)	0.01	mg/kg	MI MOPC77	Iprocnazole	0.01	mg/kg	MI MOPC77	Iprodione	0.01	mg/kg	MI MOPC77
Iprovalicarb	0.01	mg/kg	MI MOPC77	Isofenphos-methyl	0.01	mg/kg	MI MOPC77	Isofetamid	0.01	mg/kg	MI MOPC77
Isoprothiolane	0.01	mg/kg	MI MOPC77	*Isoproturon	0.01	mg/kg	MI MOPC77	Isopyrazam (sum of isomers)	0.01	mg/kg	MI MOPC77
Isoxaben	0.01	mg/kg	MI MOPC77	Isxadifen-ethyl	0.01	mg/kg	MI MOPC77	Isoxaflutole	0.01	mg/kg	MI MOPC77
Isoxaflutole-metabolite (Isoxaflutole diketonitrile RPA 202248 expr. as Isoxaflutole)	0.01	mg/kg	MI MOPC77	Kresoxim-methyl	0.01	mg/kg	MI MOPC77	*Lenacil	0.01	mg/kg	MI MOPC77

Laboratoire habilité par l'INAO.

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod	Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod	Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod
*Linuron	0.01	mg/kg	MI MOPC77	Lufenuron	0.01	mg/kg	MI MOPC77	Malathion	0.01	mg/kg	MI MOPC77
Malathion-metabolite (malafoxon expr. as malathion)	0.01	mg/kg	MI MOPC77	Mandestrobilin	0.01	mg/kg	MI MOPC77	Mandipropamid	0.01	mg/kg	MI MOPC77
MCPA (+salts)@	0.01	mg/kg	MI MOPC77	MCPB (+salts) expr. as MCPA@	0.01	mg/kg	MI MOPC77	*Mecoprop (incl. Mecoprop-p)	0.01	mg/kg	MI MOPC77
Mefenpyr-diethyl	0.01	mg/kg	MI MOPC77	Mefentrifluconazole	0.01	mg/kg	MI MOPC77	*Mepanipyrim	0.01	mg/kg	MI MOPC77
Mesosulfuron-methyl	0.01	mg/kg	MI MOPC77	Mesotrione	0.01	mg/kg	MI MOPC77	Metaflumizone (sum of isomers)	0.01	mg/kg	MI MOPC77
Metalaxyl (incl. metalaxyl-M = mefenoxam)	0.01	mg/kg	MI MOPC77	Metaldéhyde	0.01	mg/kg	MI MOPC77	Metamitron	0.01	mg/kg	MI MOPC77
*Metazachlor	0.005	mg/kg	MI MOPC77	Metazachlor métabolite (479M04 expr. as metazachlor)	0.005	mg/kg	MI MOPC77	Metazachlor métabolite (479M08 expr. as metazachlor)	0.005	mg/kg	MI MOPC77
Metazachlor métabolite (479M16 expr. as metazachlor)	0.005	mg/kg	MI MOPC77	*Metconazole	0.01	mg/kg	MI MOPC77	Methamidophos	0.01	mg/kg	MI MOPC77
Methidathion	0.01	mg/kg	MI MOPC77	*Methiocarb (Mercaptodiméthure)	0.01	mg/kg	MI MOPC77	Methiocarb-métabolite (-sulfoxe expr. as methiocarb)	0.01	mg/kg	MI MOPC77
Methiocarb-métabolite (-sulfoxe expr. as methiocarb)	0.01	mg/kg	MI MOPC77	*Methomyl	0.01	mg/kg	MI MOPC77	Methoxyfénol	0.01	mg/kg	MI MOPC77
*Metobromuron	0.01	mg/kg	MI MOPC77	Metobromuron métabolite (4-bromophénylurea expr. as metobromuron)	0.01	mg/kg	MI MOPC77	Metobromuron métabolite (desméthyl-metobromuron expr. as metobromuron)	0.01	mg/kg	MI MOPC77
Metobromuron-desméthoxy	0.01	mg/kg	MI MOPC77	4-Bromoaniline	0.01	mg/kg	MI MOPC77	Metolachlor (incl. S-metolachlor)	0.01	mg/kg	MI MOPC77
Metosulam	0.01	mg/kg	MI MOPC77	*Metrafenone	0.01	mg/kg	MI MOPC77	Metribuzin	0.01	mg/kg	MI MOPC77
Metsulfuron-méthyl	0.01	mg/kg	MI MOPC77	Milbémecin A3 expr. as milbémectin	0.01	mg/kg	MI MOPC77	Milbémecin A4 expr. as milbémectin	0.01	mg/kg	MI MOPC77
Monocrotophos	0.01	mg/kg	MI MOPC77	Myclobutanil (sum of isomers)	0.01	mg/kg	MI MOPC77	2-(1-Naphthyl)acétamide (expr. as 1-naphthylacétique acid) (1-NAD)	0.01	mg/kg	MI MOPC77
1-Naphthylacétique acid (1-NAA)	0.05	mg/kg	MI MOPC77	*Napropamide (sum of isomers)	0.01	mg/kg	MI MOPC77	Nicosulfuron	0.01	mg/kg	MI MOPC77
Nitenpyram	0.01	mg/kg	MI MOPC77	Nitrofen	0.01	mg/kg	MI MOPC77	Ométhoate	0.01	mg/kg	MI MOPC77
*Orthophénylphénol (2-phényl-phénol)@	0.01	mg/kg	MI MOPC77	Orthosulfamuron	0.01	mg/kg	MI MOPC77	Oryzalin	0.01	mg/kg	MI MOPC77
Oxadiargyl	0.01	mg/kg	MI MOPC77	*Oxadiazon	0.01	mg/kg	MI MOPC77	*Oxadixyl	0.01	mg/kg	MI MOPC77
Oxamyl	0.01	mg/kg	MI MOPC77	Oxasulfuron	0.01	mg/kg	MI MOPC77	Oxathiapiprolin	0.01	mg/kg	MI MOPC77
Oxyfluorfen	0.01	mg/kg	MI MOPC77	*Paclobutrazol (sum of isomers)	0.01	mg/kg	MI MOPC77	Parathion-méthyl	0.01	mg/kg	MI MOPC77
Parathion-méthyl-métabolite (paraoxon-méthyl expr. as parathion-méthyl)	0.01	mg/kg	MI MOPC77	*Penconazole (sum of isomers)	0.01	mg/kg	MI MOPC77	*Pencycuron	0.01	mg/kg	MI MOPC77
Pencycuron-métabolite (Pencycuron-PB-amine expr. as pencycuron)	0.01	mg/kg	MI MOPC77	*Pendiméthalin	0.01	mg/kg	MI MOPC77	*Penflufen (sum of isomers)	0.01	mg/kg	MI MOPC77
Penoxsulam	0.01	mg/kg	MI MOPC77	Pentachloroanisole	0.01	mg/kg	MI MOPC77	Penthiopyrad	0.01	mg/kg	MI MOPC77
*Permethrin (sum of isomers)	0.01	mg/kg	MI MOPC77	*Péthoxamid	0.01	mg/kg	MI MOPC77	Phénmédiapham	0.01	mg/kg	MI MOPC77
Phénthoate	0.01	mg/kg	MI MOPC77	Phorate	0.01	mg/kg	MI MOPC77	Phorate-métabolite (Phorate-oxon expr. as phorate)	0.01	mg/kg	MI MOPC77
Phorate-métabolite (Phorate-oxon-sulfoxe expr. as phorate)	0.01	mg/kg	MI MOPC77	Phorate-métabolite (Phorate-oxon-sulfoxe expr. as phorate)	0.01	mg/kg	MI MOPC77	Phorate-métabolite (Phorate-sulfoxe expr. as phorate)	0.01	mg/kg	MI MOPC77
Phorate-métabolite (Phorate-sulfoxe expr. as phorate)	0.01	mg/kg	MI MOPC77	*Phosalone	0.01	mg/kg	MI MOPC77	Phosmet	0.01	mg/kg	MI MOPC77
Phosmet-métabolite (phosmet oxon expr. as phosmet)	0.01	mg/kg	MI MOPC77	Phoxim	0.01	mg/kg	MI MOPC77	Picloram	0.05	mg/kg	MI MOPC77
*Picolinafén	0.01	mg/kg	MI MOPC77	*Picoxystrobin	0.01	mg/kg	MI MOPC77	Pinoxadén	0.01	mg/kg	MI MOPC77
*Piperonyl-butoxide	0.005	mg/kg	MI MOPC77	Pirimicarb	0.01	mg/kg	MI MOPC77	Desméthylpirimicarb expr. as pirimicarb	0.01	mg/kg	MI MOPC77
*Pirimiphos-méthyl	0.01	mg/kg	MI MOPC77	*Prochloraz	0.01	mg/kg	MI MOPC77	Prochloraz-métabolite (BTS 44595/M201-04 expr. as prochloraz)	0.01	mg/kg	MI MOPC77
Prochloraz-métabolite (BTS 44596/M201-03 expr. as prochloraz)	0.01	mg/kg	MI MOPC77	*Procymidone	0.01	mg/kg	MI MOPC77	*Profénofos	0.01	mg/kg	MI MOPC77
Profoxydim	0.01	mg/kg	MI MOPC77	Prohexadione-calcium (+salts)	0.01	mg/kg	MI MOPC77	Prometryn	0.01	mg/kg	MI MOPC77
Propachlor@	0.01	mg/kg	MI MOPC77	Propamocarb (+salts)	0.01	mg/kg	MI MOPC77	Propaquizafop expr. as quizalofop@	0.01	mg/kg	MI MOPC77
*Propargite	0.01	mg/kg	MI MOPC77	*Propiconazole	0.01	mg/kg	MI MOPC77	Propoxy-carbazone (+salts)	0.01	mg/kg	MI MOPC77

Laboratoire habilité par l'INAO.

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod	Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod	Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod
Propoxycarbazone metabolite (2-hydroxypropoxycarbazone expr. as propoxycarbazone)	0.01	mg/kg	MI MOPC77	*Propyzamide	0.01	mg/kg	MI MOPC77	Proquinazid	0.01	mg/kg	MI MOPC77
*Prosulfocarb	0.01	mg/kg	MI MOPC77	Prosulfuron	0.01	mg/kg	MI MOPC77	*Prothioconazole (prothioconazole-desthio)	0.01	mg/kg	MI MOPC77
Pydiflumetofen	0.01	mg/kg	MI MOPC77	Pymetrozine	0.01	mg/kg	MI MOPC77	Pyraclostrobin	0.01	mg/kg	MI MOPC77
Pyraflufen-ethyl	0.01	mg/kg	MI MOPC77	Pyraflufen (expr. as pyraflufen-ethyl)	0.01	mg/kg	MI MOPC77	Cinerin I	0.01	mg/kg	MI MOPC77
Cinerin II	0.01	mg/kg	MI MOPC77	Jasmodin I	0.01	mg/kg	MI MOPC77	Jasmodin II	0.01	mg/kg	MI MOPC77
Pyrethrin I	0.01	mg/kg	MI MOPC77	Pyrethrin II	0.01	mg/kg	MI MOPC77	Pyridaben	0.01	mg/kg	MI MOPC77
Pyridalyl	0.01	mg/kg	MI MOPC77	Pyridate@	0.01	mg/kg	MI MOPC77	Pyridate-metabolite (expr. as pyridate)@	0.01	mg/kg	MI MOPC77
*Pyrimethanil	0.01	mg/kg	MI MOPC77	*Pyriofenone	0.01	mg/kg	MI MOPC77	Pyriproxyfen	0.01	mg/kg	MI MOPC77
Pyroxulam	0.01	mg/kg	MI MOPC77	Quinmerac	0.01	mg/kg	MI MOPC77	Quinoclamine	0.01	mg/kg	MI MOPC77
Quinoxifen	0.01	mg/kg	MI MOPC77	Quintozene	0.005	mg/kg	MI MOPC77	Quintozene metabolite (pentachloroaniline expr. as quintozene)	0.005	mg/kg	MI MOPC77
Quizalofop (incl. quizalofop-P)@	0.01	mg/kg	MI MOPC77	Quizalofop-ethyl (incl. quizalofop-P-ethyl)	0.01	mg/kg	MI MOPC77	Rimsulfuron	0.01	mg/kg	MI MOPC77
*Rotenone	0.01	mg/kg	MI MOPC77	Sedaxane	0.01	mg/kg	MI MOPC77	Silthiofam	0.01	mg/kg	MI MOPC77
Sintofen	0.01	mg/kg	MI MOPC77	Spinetoram (sum -J and -L)	0.01	mg/kg	MI MOPC77	Spinosad (spynosyn A & D)	0.01	mg/kg	MI MOPC77
Spirodiclofen	0.01	mg/kg	MI MOPC77	Spiromesifen	0.01	mg/kg	MI MOPC77	Spirotetramat	0.01	mg/kg	MI MOPC77
Spirotetramat-metabolite (BYI08330-enol expr. as spiroetramat)	0.01	mg/kg	MI MOPC77	Spirotetramat-BYI08330-ketoh droxy (expr. as spiroetramat)	0.01	mg/kg	MI MOPC77	Spirotetramat-BYI08330-mono hydroxy (expr. as spiroetramat)	0.01	mg/kg	MI MOPC77
Spirotetramat-BYI08330-enol-g lucoside (expr. as spiroetramat)	0.01	mg/kg	MI MOPC77	Spiroxamine	0.01	mg/kg	MI MOPC77	Sulcotrione	0.01	mg/kg	MI MOPC77
Sulfosulfuron	0.01	mg/kg	MI MOPC77	Sulfoxaflor (sum of isomers)	0.01	mg/kg	MI MOPC77	Tebuconazole	0.01	mg/kg	MI MOPC77
Tebufenozide	0.01	mg/kg	MI MOPC77	Tebufenpyrad	0.01	mg/kg	MI MOPC77	Teflubenzuron	0.01	mg/kg	MI MOPC77
*Tefluthrin	0.01	mg/kg	MI MOPC77	Tembotrione	0.01	mg/kg	MI MOPC77	Tembotrione-metabolite (Tembotrione-4,6-dihydroxy AE 1417268 expr. as tembotrione)	0.01	mg/kg	MI MOPC77
Tepraloxymid@	0.02	mg/kg	MI MOPC77	Terbutylazine	0.01	mg/kg	MI MOPC77	Terbutylazine-desethyl expr. as terbutylazine	0.01	mg/kg	MI MOPC77
Tetraconazole	0.01	mg/kg	MI MOPC77	*Tetradifon	0.01	mg/kg	MI MOPC77	Thiabendazole	0.01	mg/kg	MI MOPC77
Thiacloprid	0.01	mg/kg	MI MOPC77	Thiamethoxam	0.01	mg/kg	MI MOPC77	Thiencarbazone-methyl	0.01	mg/kg	MI MOPC77
Thifensulfuron-methyl	0.01	mg/kg	MI MOPC77	Thiodicarb	0.01	mg/kg	MI MOPC77	Thiophanate-methyl	0.01	mg/kg	MI MOPC77
*Tolclofos-methyl	0.01	mg/kg	MI MOPC77	Tolfenpyrad	0.01	mg/kg	MI MOPC77	Tolyfluandil	0.01	mg/kg	MI MOPC77
Tolyfluandil metabolite (DMST expr. as tolyfluandil)	0.01	mg/kg	MI MOPC77	Transfluthrin	0.01	mg/kg	MI MOPC77	Triadimefon	0.01	mg/kg	MI MOPC77
Triadimenol	0.01	mg/kg	MI MOPC77	*Triallate	0.01	mg/kg	MI MOPC77	Triasulfuron	0.01	mg/kg	MI MOPC77
Triazamate	0.01	mg/kg	MI MOPC77	Triazophos	0.01	mg/kg	MI MOPC77	Tribenuron-methyl	0.01	mg/kg	MI MOPC77
Trichlorfon	0.01	mg/kg	MI MOPC77	Triclopyr	0.01	mg/kg	MI MOPC77	Tricyclazole	0.01	mg/kg	MI MOPC77
Trifloxystrobin	0.01	mg/kg	MI MOPC77	Triflumizole	0.01	mg/kg	MI MOPC77	Triflumizole-metabolite (Triflumizole-amino (FM6-1) expr. as triflumizole)	0.01	mg/kg	MI MOPC77
*Triflumuron	0.01	mg/kg	MI MOPC77	*Trifluralin	0.01	mg/kg	MI MOPC77	Triflusaluron-methyl	0.01	mg/kg	MI MOPC77
Triflusaluron (IN-M7222)	0.01	mg/kg	MI MOPC77	Trinexapac (-acid +salts, expr. as trinexapac)	0.01	mg/kg	MI MOPC77	Trinexapac-ethyl	0.01	mg/kg	MI MOPC77
Triticonazole	0.01	mg/kg	MI MOPC77	Tritosulfuron	0.01	mg/kg	MI MOPC77	AMTT (resulting from the use of tritosulfuron)	0.01	mg/kg	MI MOPC77
*Valifenalate	0.01	mg/kg	MI MOPC77	*Vinclozolin	0.01	mg/kg	MI MOPC77	Warfarin (Coumaphene)	0.01	mg/kg	MI MOPC77
*Zoxamide	0.01	mg/kg	MI MOPC77								

Notes explicatives :

Explanatory notes

MI : Méthode interne MI : Validated in-house method

La limite de quantification (LQ) est la plus petite concentration pouvant être quantifiée avec une incertitude acceptable. Il s'agit d'une limite technique et non d'une réglementation. La limite de détection est égale à la limite de quantification divisée par 3 ($Ld = LQ/3$)

The limit of quantification (LQ) is the lowest concentration quantified with an acceptable uncertainty. It is a technical limit and not a regulation. The detection limit $Ld = LQ/3$

MI MOPC77 : Analyses de résidus phytosanitaires dans les produits non gras d'origine végétale : GC/MS/MS et/ou LC/MS/MS

Pesticide residues analysis in low oil content products of plant origin : GC/MS/MS and/or LC/MS/MS

MI MOPC81 : Analyses des dithiocarbamates en LC-MS/MS ; dosage par familles (Diméthyl dithiocarbamates, Ethylène-bis-dithiocarbamates,

Propylène-bis-dithiocarbamates). Le résultat est exprimé en mg de CS2 par kilogramme.

Analysis of dithiocarbamates using LC-MS/MS; determination of Dimethyl dithiocarbamates, Ethylene-bis-dithiocarbamates, Propylene-bis-dithiocarbamates. The result is expressed in mg CS2 per kilogram.

Identification rapport d'essai

Report identification

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Number

Date de validation : 13/09/2022 19:13
Validation date

Date d'édition : 13/09/2022 19:24
Edition date

Laboratoire habilité par l'INAO.

@ : La méthode d'analyse utilisée ne permet pas de tenir compte de la définition du résidu exigée par la réglementation (CE) 396/2005 en vigueur.
The analytical method doesn't allow quantification of the full sum of analytes as stated in the residue definition in regulation (EC) N° 396/2005.

Résultats validés par :

Results validated by

Annie BRISARD
Responsable

Responsable du Laboratoire

Laboratory manager

Sécurité des aliments
Annie BRISARD

Cette validation est une signature électronique.
Electronic signature